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<p>(21) International Application Number: PCT/US96/08499</p> <p>(22) International Filing Date: 3 June 1996 (03.06.96)</p> <p>(30) Priority Data:</p> <table style="width: 100%;"> <tr> <td style="width: 40%;">9510870.0</td> <td style="width: 40%;">2 June 1995 (02.06.95)</td> <td style="width: 20%;">GB</td> </tr> <tr> <td>9511546.5</td> <td>7 June 1995 (07.06.95)</td> <td>GB</td> </tr> </table> <p>(71) Applicant: DSC COMMUNICATIONS CORPORATION [US/US]; 1000 Coit Road, Plano, TX 75075 (US).</p> <p>(72) Inventors: BHAGALIA, Shashikant; 21 Seaton Street, Edmonton, London N18 2JP (GB). YEUNG, Joemanne, Chi, Cheung; 95A Bedford Road, Wootton, Bedfordshire MK43 9JB (GB).</p> <p>(74) Agent: FISH, Charles, S.; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).</p>	9510870.0	2 June 1995 (02.06.95)	GB	9511546.5	7 June 1995 (07.06.95)	GB	<p>(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published</p> <p><i>With international search report.</i></p> <p><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>	
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(54) Title: **APPARATUS AND METHOD OF CONTROLLING TRANSMITTING POWER IN A SUBSCRIBER TERMINAL OF A WIRELESS TELECOMMUNICATIONS SYSTEM**

(57) Abstract

A wireless telecommunications system (1) includes a central terminal (10) for transmitting and receiving radio frequency signals to and from a subscriber terminal (20). A downlink communication path is established from a transmitter (200) of the central terminal (10) to a receiver (202) of the subscriber terminal (20). A downlink signal (212) is transmitted from the transmitter (200) to the receiver (202) during setup and operation of the wireless telecommunications system (1). The downlink signal (212) includes an overhead channel (224) having a power control signal (236). The power control signal (236) is capable of adjusting a transmitting power of a transmitter (204) in the subscriber terminal (20). Adjustment of the transmitting power of the transmitter (204) facilitates establishment and maintenance of an uplink communication path between the transmitter (204) of the subscriber terminal and a receiver (206) of the central terminal (10).

RLT STD-TCP Interface Map

F000 (hex)-		PC Control Byte							
		B7	B6	B5	B4	B3	B2	B1	B0
B7-B0									
0000	Course Power Increment (1/8 SLP)	High Rate							
0001	Course Power Decrement (1/8 SLP)	High Rate							
0002	No change	High Rate							
0003	Fine Power Increment (0.1/8 SLP)	High Rate							
0004	Fine Power Decrement (0.1/8 SLP)	High Rate							
0005	Course Power Increment (1/8 SLP)	Low Rate							
0006	Course Power Decrement (1/8 SLP)	Low Rate							
0007	No change	Low Rate							
0008	Fine Power Increment (0.1/8 SLP)	Low Rate							
0009	Fine Power Decrement (0.1/8 SLP)	Low Rate							
000A	Reset to minimum power output								
000B	Set to nominal power mode (using INTRM value)								

*NOTE: bit reversal takes place of the B0-B1, to decode the command bit reversal data must be used.